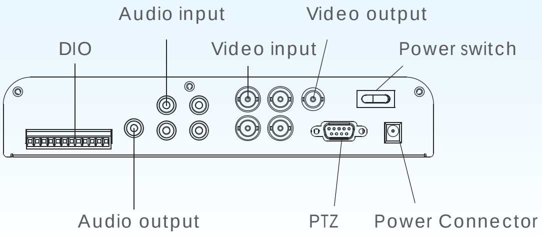
4 - Ch H.264 Digital Video Encoder

DVS-8504E-H

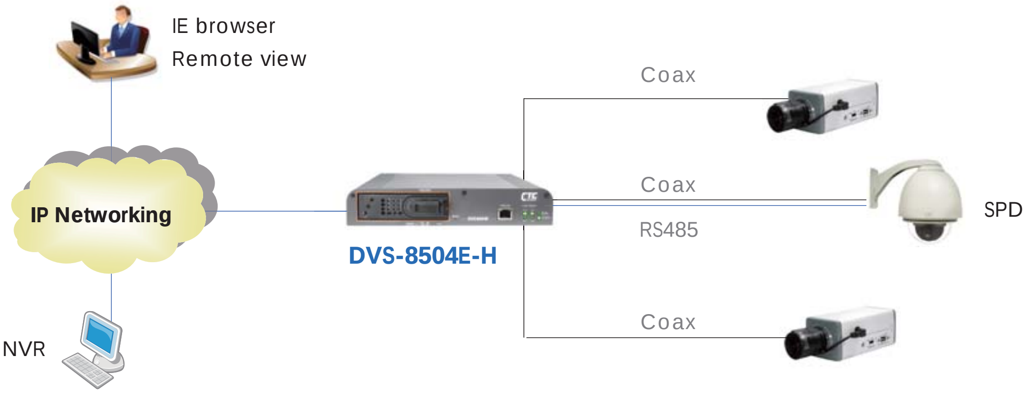
CTC Union DVS-8504E-H is a standalone H.264 video encoder. It can connect up to 4 analog video cameras and transfer these streams from analog format to digital format simultaneously through H.264 video compression technology. The DVS-8504E-H provides high resolution and various video layouts from 1CH/ D1 to 4CH/ CIF and can also delivers multiple or individual configurable video streams at the same time. The DVS-8504E-H can be also provides dual-stream transmissions for recording and monitoring. The built-in SATA interface enables powerful storage capability for the DVS-8504E-H to do the video streaming transmission and local storage at the same time. The web management offers the user convenience access to detailed alarm detection and actions. CTC Union DVS-8504E-H provides an easy way to migrate the analog system to high performance IP based solution.

Features

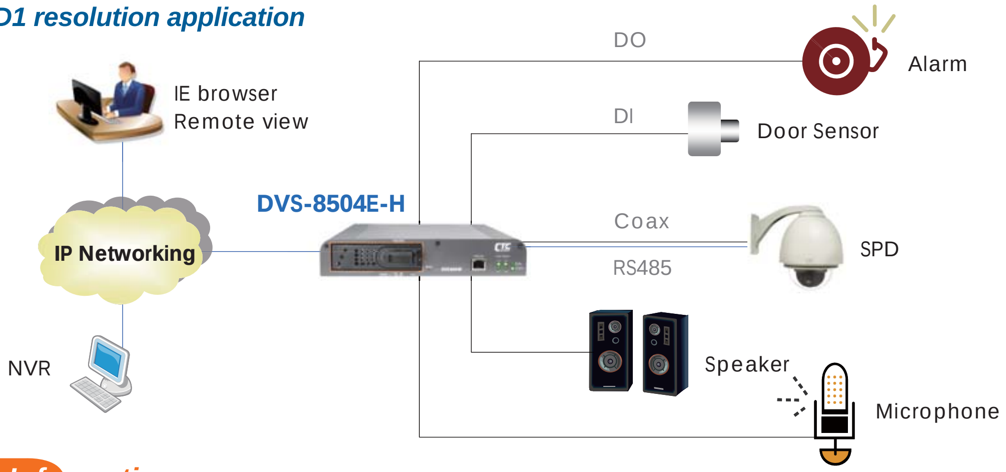
- Multiple H.264 streams
- D1 resolution @ 30FPS, CIF resolution@120FPS
- 1-CH D1 / 2-CH 2CIF / 4-CH CIF
- Built-in Web server for management
- Supports HTTPS and password protection
- Supports 3.5” SATA hard-disk tray for local storage
- Provides main and sub video streams with different resolution
- Supports logic (AND / OR) event alarms
- Supports two-way audio
- 4 Digital Input / 2 Digital Output connections
- Supports privacy mask
- Fan less design



DVS 8504E-H CIF resolution application



DVS 8504E-H D1 resolution application



Ordering Information

Model Name	Description
DVS-8504E-H	4-Ch H.264 Digital Video Encoder with Hard Dish Interface

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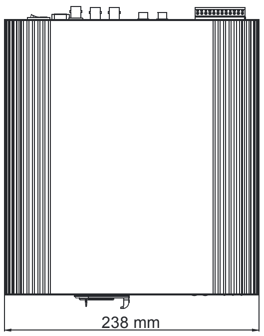
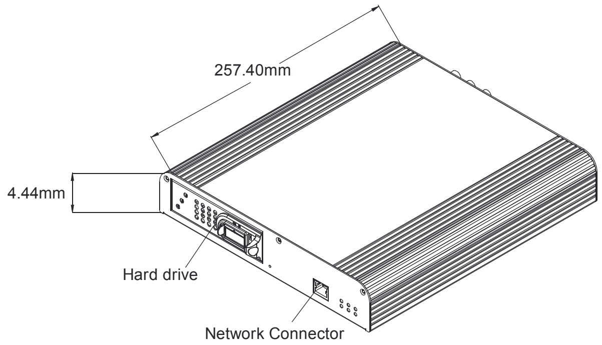
Example: DVS – 8504E – H

Specifications

Video Compression
H.264/M-JPEG
Video Stream
Main Stream, Sub stream (Main Stream to select D1 or 4CIF)
(Slave stream only to select CIF or QCIF)
Video Resolutions
D1: 720x480(NTSC)/720x576(PAL)
4CIF: 704x480(NTSC)/704x576(PAL)
2CIF: 704x240(NTSC)/704x288(PAL)
CIF: 352x240(NTSC)/352x288(PAL)
QCIF: 176x120(NTSC)/176x144(PAL)
Operating System
Embedded Linux
Video Bit Rate
32K/64K/128K/256K/384K/512K/768K/1024K/1.5M/2M
Video Frame Rate
1 ~ 30 FPS
Video Quality
5 levels (Medium, standard, good, detailed, excellent), Auto
Video Input
4, BNC, 75 ohm, 1 Vp-p
Video Output
1, BNC, 75 ohm, 1 Vp-p
(D1/4CIF supported full screen, 2CIF/CIF supported quad mode)
Network Connector
RJ-45, IEEE 802.3 10Base-T, 802.3u 100Base-TX
Network Protocols
TCP, UDP, IP, ICMP, PPPoE, ARP, UPnP, HTTP, HTTPS, FTP, SMTP, DHCP, DNS, DDNS, RTP, RTSP, SNMP, NTP
Audio Inputs
4 channels mono audio (RCA)
Audio Output
1 channel mono audio (RCA)
Audio Compression
ADPCM G.711
Audio Stream
Two-way (H.264 only)
Input / Output Signal
6V p-p, +10dBm max
Input / Output Impedance
600 ohms
Terminal Block
1xRS-485 (DB9 interface), 4 alarm input, 2 alarm output
PTZ Protocol
Pelco D, P
PTZ Baud Rate
2400, 4800, 9600, 12800, 19200 Kbps
PTZ Control Speed
Pan, Tilt, Zoom, Focus, Iris
PTZ Preset
32 Preset positions
PTZ Patrol
4 Tour mode (Each mode has 10 positions)

Remote Management
Web (CGI)
Dimension
Line card type: 238 x 257.4 x 44mm (W x D x H)
Operating condition
-10 ~ 60 degree (Celsius)
Storage condition
-20 ~ 85 degree (Celsius)
Operating Humidity
0 ~ 95% (non-condensing)
Power Input
12VDC, 2A
System Reset
Reset button (factory default)
LED Indications
Power, LAN, video status
Motion Detection
Drag and drop configurable detection windows
Configuration Backup /Recovery
Web browser
Local Storage
3.5" SATA HDD *1 (Hard drive is not include)
Firmware Upgrade
Web browser
NTP
Sync with PC, Sync with NTP server, Manual
Video Adjustment
Brightness, contract, saturation, color tone level
User Account
Up to 10 user accounts for configurable
Event Action
FTP, E-mail, DO1, DO2, SMS, SNMP, local storage, remote storage, PTZ preset
Event Sending Path
FTP; E-mail (forwarding JPEG picture)
Digital Zoom
4x
Snapshot
Live view mode (JPEG format)
Playback
Playback via IE browser
Event Define
User define video frame rate and video resolution and video quality when alarm input and motion detection
Text Overlay
Configurable text color, background color, date/time, display position
Privacy Mask
Support 1 privacy mask window
System Language
English, Simplified Chinese, Traditional Chinese
Log
System log, operating log
NVR Support
CTC Union , NUUO

DIMENSION DIAGRAM